

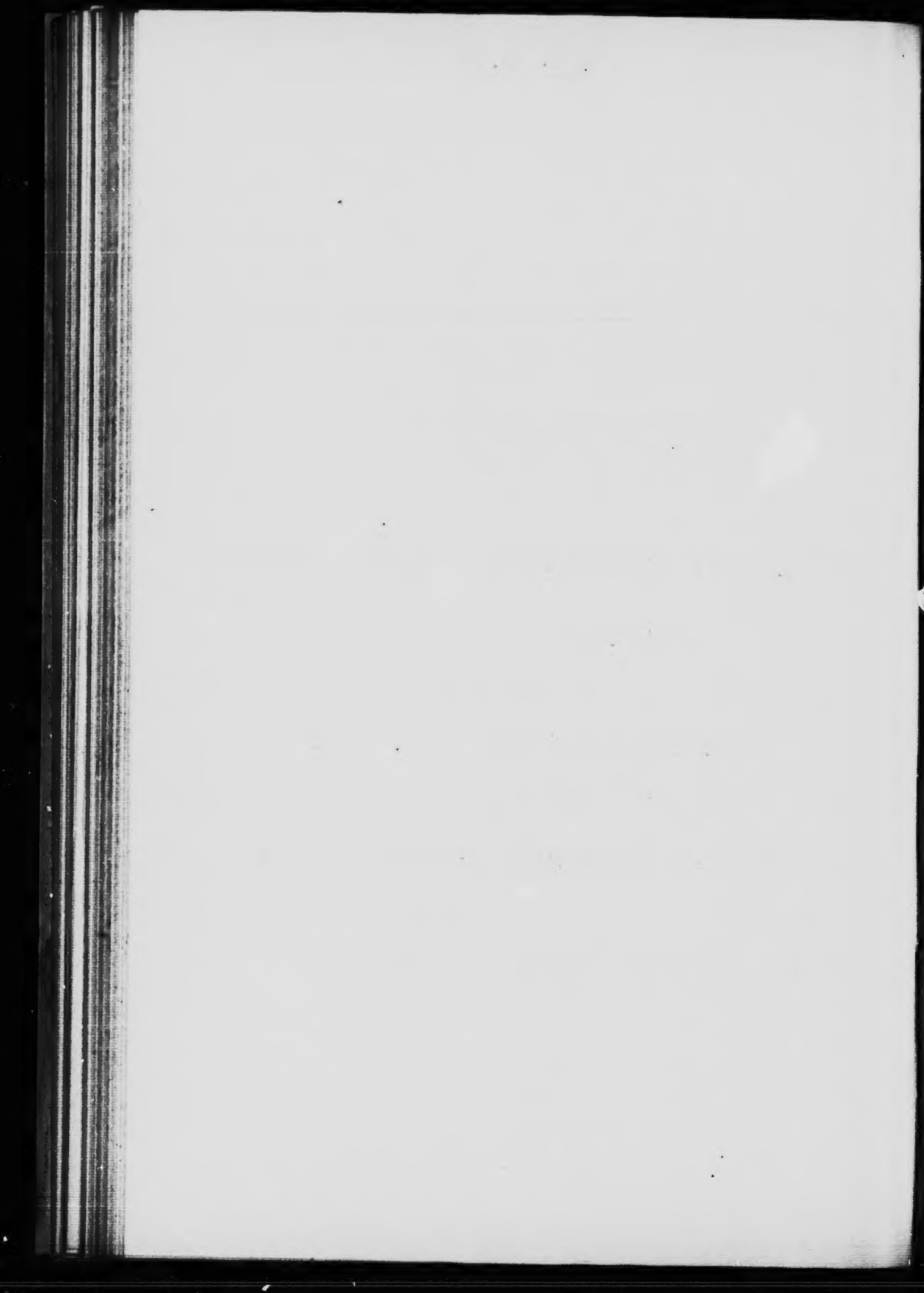
O. H. M. S.

W. J. Gerald
Deputy Minister.

LABORATORY
OF THE
INLAND REVENUE DEPARTMENT
OTTAWA, CANADA

BULLETIN No. 112

HIGHLY COLOURED CONFECTIONERY



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HIGHLY COLOURED CONFECTIONERY.

OTTAWA, Ont., November 10, 1905.

W. J. GERALD, Esq.,
Deputy Minister of Inland Revenue.

SIR,—I beg to submit herewith a tabulated statement of the results of examining 111 samples of highly coloured confectionery which were collected according to your instructions in the months of August and September last.

The chief object in making this collection was to ascertain whether any of the colours used in manufacturing such sweet meats contained mineral impurity, under which term is understood the metals lead and arsenic. It will be seen that the examination resulted in demonstrating the entire absence of these metals. In only one case was the presence of arsenic shown, but in such very minute quantity as to be completely harmless. The results as regards the presence of dyes are given in the tables and the explanation placed over the same by Mr. McGill, who was assisted in the examination by Misses M. E. Wright and E. Davidson.

I have the honour to be, sir,
Your obedient servant,

THOMAS MACFARLANE,
Chief Analyst.

INSPECTION OF HIGHLY

EXPLANATIONS.—(1) The letters P =(Penetrant) and S =(Superficial) are written under the colours found to be soluble in water, and to dye

Date	Collection.	Nature of Sample and Inspector's Report.	No. of Sample.	Name and Address of Vender.	Cost.	
					Quantity.	Value.
1905.		<i>District of Prince Edward Island—T. Moore, Inspector.</i>			Lbs.	\$ cts.
Aug. 12.		Confectionery.....	24494	Sanderson & Co., Charlottetown...	1	0 12
" 12.		"	24495	W. A. Hutcheson "	1	0 10
" 12.		"	24496	A. Gates & Co. "	1	0 10
" 12.		"	28204	Mrs. W. F. Carter "	1	0 16
" 16.		"	28213	A. A. McDonald Bros., George-town.	1	0 10
" 16.		"	28218	W. A. Pool, Lower Montague	1	0 10
" 17.		"	28222	Ruben Tuplin & Co., Kensington...	1	0 10
" 17.		"	28226	D. McKenzie, Kensington.....	1	0 10
" 18.		"	28228	Waugh & Steeves, Summerside	1	0 10
" 18.		"	28231	J. B. Strong, Summerside	1	0 10
		<i>District of Nova Scotia—R. J. Waugh, Inspector.</i>				
Aug. 16.		Sold as a mixture.....	27068	Wentworth Stores, Windsor.....	1	0 10
" 16.		"	27069	F. Ward, Windsor	1	0 12
" 17.		Sold as wood candy	27074	W. E. Crowe, Halifax.	1	0 10
" 17.		Sold as ribbon candy	27075	S. J. Wilson "	1	0 20
" 17.		Sold as orange slices.....	27076	Moir, Son & Co., Ltd., Halifax....	1	0 10
" 17.		Sold as all day suckers.....	27077	" " " "	1	0 12
" 17.		Sold as a mixture.....	27078	" " " "	1	0 12
" 17.		"	27081	A. Hubley, Halifax	1	0 12
" 17.		Sold as cocoanut britters	27084	P. Gaspero "	1	0 12
" 18.		Sold as a mixture.....	27086	Jas. Bowman "	1	0 10
		<i>District of New Brunswick—J. C. Ferguson, Inspector.</i>				
Aug. 14.		Cream Mixture.....	24048	J. F. Foley, 427 Main St., St. John, N.B.	1	0 16
" 14.		French Cream Mixture.....	24049	J. Murphy, 149 Main St., N.E., Indiantown, St. John.	1	0 30
" 14.		Stick candy.	24050	Hamm Bros., 461 Main St., N.E., St. John.	1	0 16
" 14.		Fruit Drops	24051	White Candy Co., 240 & 242 Union St., St. John.	1	0 14
" 14.		Conversation Lozengers	24052	Chas. F. Francis & Co., 141 Charlotte St.	1	0 20
" 15.		Satin Glosa Chips.....	24053	V. Barkers, Ltd., 104 Princess S., St. John, N.B.	1	0 30
" 23.		Vendor would not sell as pure ...	24079	D. S. Mann & Son, Main St., Peticodiac, N.B.	1	0 10
Sept. 1.		Jubilee Mixture	24101	Ramsay Bros., 667 Mair St., St. John, N.B.	1	0 16
" 1.		Royal Mixture.....	24102	G. J. Hamilton & Sons, 734 Main St., St. John, N.B.	1	0 14
" 1.		Gloria Mixture	24103	McCormick Mfg. Co., 67 Dock St., St. John, N.B.	1	0 16

COLOURED CONFECTIONERY.

present in the sample. (2) Where no contrary statement is made, these colouring matters have been wool to the tint named from an acid bath.

Name and Address of Manufacturer or Furnisher.	RESULTS OF ANALYSIS.							No. of Sample.	Remarks	
	Colours present in the Sample.									Mineral Impurity.
	Red.	Pink.	Orange.	Yellow.	Green.	Blue.	Violet.			
Lang Confectionery Co., Mon- treal.	P	P	.....	P	.....	.....	.....	None.	24494	
W. A. Hutcheson, Charlotte- town.	S	.....	.....	S	.....	.....	S	"	24495	
Ganong Bros., St. Stephen, N.B.	.....	S	.....	.....	.....	.....	.....	"	24496	
Mrs. W. F. Carter, Charlotte- town, P.E.I.	.....	P	.....	P	.....	.....	.....	"	28204	
Hamilton & Sons, Pictou, N.S..	P	S	.....	P	.....	.....	.....	"	28215	
Not known.....	S	.....	.....	P	.....	.....	P	"	28218	
Hamilton & Sons, Pictou, N.S..	P	S	.....	.....	.....	.....	.....	"	28222	
Moir & Sons, Halifax.....	S	.....	.....	.....	.....	.....	.....	"	28226	
White Candy Co., St. John, N.B.	P	.....	.....	S	.....	.....	.....	"	28228	
Lang Manufacturing Co., To- ronto.	.....	P	.....	P	.....	.....	.....	"	28231	
Yeaton & Son, Hantsport, N.S.	P	S	.....	P	.....	.....	.....	None	27068	
Hamilton & Sons, Pictou, N.S.	.....	S	.....	.....	.....	.....	.....	"	27069	
W. E. Crowe, Halifax, N.S. .	.....	.....	.....	P	.....	.....	.....	"	27074	
S. J. Wilson	.....	P	.....	.....	.....	.....	.....	"	27075	
Moir, Son & Co., Ltd., Halifax, N.S.	.....	.....	S	.....	.....	.....	.....	"	27076	
" " "	.....	S	.....	S	.....	.....	.....	"	27077	Yellow did no dye wool.
" " "	P	S	.....	P	.....	.....	.....	"	27078	
O'Brien & Wells, Halifax, N.S.	.....	S	.....	P	.....	.....	.....	"	27081	
P. Gaspero, Halifax, N.S.....	.....	P	.....	.....	.....	.....	.....	"	27084	
Hamilton & Son, Pictou, N.S....	P	P	.....	.....	.....	.....	.....	"	27086	
Thos. Philips, Union St., St. John.	.....	P	.....	.....	.....	.....	.....	None.	24048	
Ganong Bros., St. Stephen.....	.....	S	.....	.....	.....	.....	.....	"	24049	
Hamm Bros., St. John, N.B. .	.....	.....	.....	S	.....	.....	.....	"	24050	
White Candy Co., 240 & 242 Union St., St. John, N.B. (Wholesale Dept).	.....	P	.....	P	.....	.....	.....	"	24051	Yellow dyes, pink shade.
Robertson Bros., Toronto, Ont..	.....	P	.....	P	.....	.....	.....	"	24052	
V. Barker's, Ltd., 104 Princess St., St. John, N.B.	.....	P	.....	P	P	.....	P	"	24053	
Lang Manufacturing Co., Mon- treal.	.....	P	P	P	.....	.....	.....	"	24079	
Ganong Bros., St. Stephen, N.B.	.....	.....	.....	.....	.....	.....	.....	"	24101	No coloured candies.
G. J. Hamilton & Son, Pictou, N.S.	P	S	.....	S	.....	.....	.....	"	24102	
McCormick Manufacturing Co., London, Ont.	.....	P	.....	.....	.....	.....	.....	"	24103	

INSPECTION OF HIGHLY COLOURED

Date of Collection.	Nature of Sample and Inspector's Report.	No. of Sample.	Name and Address of Vendor.	Cost.	
				Quantity.	Value.
				Lbs.	\$ cts.
1905	<i>District of Quebec—C. E. Roy, Inspector.</i>				
Sept. 12.	Confectionery.....	29006	J. A. Blondeau, 430 St. John St...	1	0 12
" 12.	"	29007	Omer Lamontagne, 372 St. John St.	1	0 12
" 12.	"	29008	Geo. Romeril, 54 St. Patrick St...	1	0 10
" 13.	"	29009	Desiré Charest, 430 St. Joseph St.	1	0 08
" 13.	"	29010	Wilfrid Charest, 160 Savagau St.	1	0 08
" 13.	"	29011	Mason & St. Germain, Saut au Matelot.	1	0 08
" 13.	"	29012	A. B. Dupois, 190 St. Paul St....	1	0 10
" 15.	"	29020	Albert Brousseau, 651 St. Valier St.	1	0 12
" 27.	"	29035	J. N. Gochin & Co., Three Rivers...	1	0 06
" 27.	"	29033	La Manufacture Biscuit et Confiserie, Scott Junction.		
	<i>District of St. Hyacinthe—J. C. Rouleau, Inspector.</i>				
Aug. 21.	Candy Red Pipes.....	24748	N. Larive, Farnham	1	0 14
" 22.	Yellow Lemon Drops	24749	N. Langhin, St. Constant	1	0 16
" 22.	Candy Marbles, red striped.....	24750	Demers & McTee, Laprairie	1	0 12
" 23.	Lemon Sour Candy.....	24751	J. B. Cote, Valleyfield	1	0 16
" 23.	Wintergreen Berries	24752	A. A. Danforth, Valleyfield	1	0 20
Aug. 23.	Red Sticks.....	24753	W. Brown & Sons, Pt. Fortune....	1	0 10
" 24.	All-day Suckers, orange	24754	J. H. Creswell, Lachute.....	1	0 12
" 24.	Ass. Coloured Easter Eggs	24755	C. Regimbal, Buckingham.....	1	0 30
" 24.	Lemon Sour Candy	24756	J. Lang	1	0 15
" 30.	Strawberry Taffy.....	24757	Du Sault Cie., Joliette	1	0 15
	<i>District of Montreal, J. J. Costigan, Inspector.</i>				
Aug. 22.	Carnation Creams.....	26801	E. P. Charlton & Co., 1471 St. Catherine St.	1	0 20
" 22.	Gum Drops.....	26802	"	1	0 10
" 22.	Coloured Peppermints	26803	A. Panagakos, 1464 St. Catherine St.	1	0 16
" 22.	Candy Fruit	26804	"	1	0 20
" 22.	Winter Green.....	26805	H. Defov, 1614	1	0 20
" 23.	Caramels.....	26806	G. Gregopakos, 331 Notre Dame W.	1	0 20
" 23.	Winter Green.....	26807	"	1	0 24
" 23.	"	26808	Beauvais & Lalonde, 452 St. James St.	1	0 20
" 26.	Lemon Drops.....	26809	Alexandre Doré, 3t. Ann's Bellevue.	1	0 20
Sept. 1.	Raspberry Drops (in stock from January, 1905.)	26810	Z. Trudeau, 3571 Notre Dame St., St. Henri.	1	0 05
	<i>District of Kingston—J. Hogan and A. E. Sanderson, Inspectors.</i>				
Aug. 16.	Highly Coloured Confectionery..	28401	Mrs. Hood, 178 Bank St., Ottawa..	1	0 14
" 16.	"	28403	Geo. Trudel, 181 Rideau St. "	1	0 10
" 21.	Candy	28501	W. J. Crothers, King St., Kingston.	1	0 50
" 21.	"	28502	W. J. Pritchard, Princess St. "	1	0 35
" 21.	"	28503	W. H. Carnosky, Brock St. "	1	0 23
" 21.	"	28504	S. C. Hambrook, King St. "	1	0 20

CONFECTIONERY—Continued.

Name and Address of Manufacturer or Furnisher.	RESULTS OF ANALYSIS.							No. of Sample.	Remarks.	
	Colours present in the Sample.									
	Red.	Pink.	Orange.	Yellow.	Green.	Blue.	Violet.			
D. S. Perrins Co., London, Ont.		P		P				None	29006	Yellow did not dye wool.
Geo. Romeril, 54 St. Patrick St.		P		S				"	29007	
Wilfrid Chares, 160 Savagau St.		S		S				"	29008	
Vendor		S		S				"	29009	
J. Hamilton, Pictou, N.S.	P							"	29010	Yellow did not dye wool.
A. B. Dupuis, 190 St. Paul St.		P		P				"	29011	
Vendor		S						"	29012	
J. N. Godin & Co., Three Rivers.	S	S						"	29013	
La Manufacture Biscuit et Confiserie, Scott Junction, Beauce Co.		P		P				"	29014	
Luttrell & Son, Montreal.	P							"	24748	Wool not dyed.
Viau et freres					P			"	24749	
"		S						"	24750	
F. Deguire, Montreal.	S	S						"	24751	
Ganong Bros., St. Stephen, N.B.		S						"	24752	Does not dye wool.
McCormick, London, Ont.			P					None	24753	
The W. Patterson & Son, Ltd., Brantford.				P				"	24754	
D. S. Perrin & Co., London, Ont.	S							"	24755	
Bunnell Bros., Ottawa.				P				"	24756	Wool not dyed.
Vendors		P						"	24757	
Not known					P			None	26801	
"		P						"	26802	
"		P						"	26803	Does not dye wool.
"			P					"	26804	
"		S						"	26805	
"	S							"	26806	
"	P							"	26807	Does not dye wool.
L. Martineau & Co., Montreal.				P				"	26808	
Lang Manfg. Co.				P				"	26809	
Viau freres		P						"	26810	
J. S. Stewart, Toronto.	S	P		P				None	28401	Does not dye wool.
Vendor		P						"	28402	
W. J. Crothers, Wellington St., Kingston.		S						"	28501	
Robertson Bros., Toronto.		P						"	28502	
"		P						"	28503	Does not dye wool.
"		S						"	28504	

INSPECTION OF HIGHLY COLOURED

Date of Collection.	Nature of Sample and Inspector's Report.	No. of Sample.	Name and Address of Vendor.	Cost.	
				Quantity.	Value.
	<i>District of Kingston—Con.</i>			Lbs.	\$ cts.
Aug. 21..	Candy.....	28505	J. Hiscock, Princess St., Kingston.	1	0 10
" 21..	" ..	28506	A. J. Rees, Princess St. " ..	1	0 40
" 21..	" ..	28507	T. Petters " " ..	1	0 20
" 21..	" ..	28508	J. McLaughlin " " ..	1	0 30
	<i>District of Toronto—A. E. Sander- son, Acting Inspector.</i>				
Aug. 24..	Highly Coloured Confectionery..	28409	C. G. Hamer, 314 Yonge St., To- ronto.	1	0 10
" 24..	" ..	28410	J. E. Hands, 243 King St., Toronto.	1	0 10
" 24..	" ..	28411	Mr. Thom's, 230 Queen E., " ..	1	0 10
" 25..	" ..	28422	G. Farwell, 1166, Yonge St., North Toronto.	1	0 10
" 26..	" ..	28427	G. Gates, Oakville ..	1	0 14
" 26..	" ..	28429	Thos. Harker, Oakville ..	1	0 10
" 28..	" ..	28435	Joe Rosart, 98 King West, Hamil- ton.	1	0 10
" 28..	" ..	28436	B. Edwards, 102 King St., W., Ha- milton.	1	0 27
" 28..	" ..	28443	M. Hall, 70 James St., Hamilton..	1	0 10
" 28..	" ..	28448	M. J. Smith, Dundas, Ont.....	1	0 10
	<i>District of London—T. Kidd, Inspector.</i>				
Aug. 14..	Highly Coloured Candies.....	22381	Joseph J. Prichards, Harrison.....	1	0 10
" 14..	Golley Mixed Candies.....	22377	C. W. Griffin, Wingham	1	0 10
" 15..	Mixed.....	22382	N. Crawford, Walkerton ..	1	0 16
" 14..	Coloured Candies	22375	Cutch Bros., Seaforth.....	1	0 16
" 15..	Highly Coloured Candies.....	22387	George Days, Owen Sound	1	0 16
" 15..	Coloured Stick Candy	22388	McLaughlin & Son Co., Owen Sound	1	0 20
" 16..	Highly Coloured Candies	22390	W. F. Ellis, Meaford	1	0 14
" 23..	Coloured Candies	22407	John Charlton, Exeter	1	0 25
" 23..	" ..	22408	" ..	1	0 16
" 22..	" ..	22402	J. J. McEwan, Goderich.....	1	0 16
Aug. 23..	Coloured Candy.....	22406	George Scott, Hensol.....	1	0 10
" 22..	Highly Coloured Candies.....	22400	Thos. Beacom, Clinton	1	0 16
	<i>District of Manitoba—W. M. Conklin, Inspector.</i>				
Sept. 13..	Candy ..	25583	Telfer Bros., Winnipeg.....	1	0 14
" 13..	" ..	25584	McNab & Roberts, Winnipeg.....	1	0 16
" 13..	" ..	25585	Kennedy Bros. " ..	1	0 14
" 13..	" ..	25586	Paulin, Chambers & Co. " ..	1	.....
" 13..	" ..	25587	The Mooney Biscuit and Candy Co., Winnipeg.	1	0 14
" 13..	" ..	25588	Scott, Bathgate & Co., Winnipeg..	1	0 16
" 13..	" ..	25589	William Paterson & Son Co., Winnipeg.	1	.....

CONFECTIONERY—Continued.

Name and Address of Manufacturer or Furnisher.	RESULTS OF ANALYSIS.							No. of Sample.	Remarks.	
	Colours present in the Sample.									Mineral Impurity.
	Red.	Pink.	Orange.	Yellow.	Green.	Blue.	Violet.			
Robertson Bros., Toronto.....		P			P			None.	28505	
Stewart, Toronto.....		S	S					"	28506	
Robertson ".....								"	28507	
A. J. Curry, London, Ont.....		S					S	"	28508	
Robertson & Watson, Toronto.....		S	P		P			None	28409	
Vendor.....		P						"	28410	
Robertson Bros., Toronto.....	P	S		P				"	28411	
" ".....		P		P				"	28422	
Westlick, Woodstock.....		S						"	28427	
Hamilton Confectionery Co.....	P			P				"	28429	
Land, Hamilton.....		S						"	28435	
Vendor.....		S		S			S	"	28436	Violet does not dye wool.
Not known.....		P		P				Faint- est traces arsenic	28443	
Patterson, Brantford.....		S	S					None	28448	
Perrin & Co., London, Ont.	P	S		P				None	22381	
Macormac Mfg. Co., London, Ont.		P	P					"	22377	
P. H. Doerr & Co., Berlin.....	P	P						"	22382	
Bean & Westlake, Woodstock ..		P					P	"	22375	
Lang Confect'y Co., Montreal ..		S						"	22387	
Vendor.....		S						"	22388	
D. S. Perrin, London ..		P		P			P	"	22390	
Canada Biscuit Co., Toronto....		P		P			P	"	22407	
C. H. Doerr & Co., Berlin, Ont.	P			P	P			"	22408	
Macormick Mfg. Co., London ..		P	P	P				"	22402	
Mooney Bicket Candy Co., Stratford, Ont.	S	P						"	22406	
D. S. Perrin, London, Ont.....		P		P				"	22400	
Robertson Bros., Toronto.....		P		P			P	None.	25583	
Clarke, Nicholls & Coombes, London, Eng.	P							"	25584	
Vendor.....		P			P			"	25585	
".....		S		S				"	25586	Yellow did not dye wool.
".....		P		P				"	25587	Yellow dyed pink.
Robertson Bros., Toronto.....		S						"	25538	
Wm. Paterson & Son Co., Brant- ford,	S	S		S			S	"	25589	Yellow did not dye.

Violet does not
dye wool.Yellow did not
dye wool.Yellow dyed
pink.Yellow did not
dye.

INSPECTION OF HIGHLY COLOURED

Date of Collection.	Name of Sample and Inspector's Report.	No. of Sample.	Name and Address of Vendor.	Cost.	
				Quantity.	Value.
1905.	<i>District of Manitoba—Con.</i>			Lbs.	% cts.
Aug. 13..	Candy..	25590	A. Pratt Winnipeg..	1	0 16
" 13..	"	25591	Dingles & Stewart " ..	1	.....
" 14..	"	25592	W. J. Boyd " ..	1	.....
	<i>District of British Columbia—E. B. Parkinson, Inspector.</i>				
Aug. 15..	Confectionery.	26983	Geo. Wagg, Vancouver..	1	0 14
" 15..	"	26985	S. Harens " ..	1	0 26
" 16..	"	26991	F. Carns, Victoria.....	1	0 26
" 17..	"	28009	Sinclair's Grocery, New Westminster	1	0 16
" 17..	"	28010	N. J. Larsen " ..	1	0 16
" 15..	"	26977	The Hudson Bay Co., Vancouver..	1	0 16
" 15..	"	26978	H. E. Almond (The Spa).....	1	0 30
" 15..	"	26979	F. Gardner, Vancouver ..	1	0 26
" 16..	"	26995	J. Peters, Victoria.....	1	0 26
" 16..	"	26998	H. A. Lilley " ..	1	0 26

Name and Address of Manufacturer or Furnisher.	RESULTS OF ANALYSIS.							No. of Sample.	Remarks.	
	Colours present in the Sample.									
	Red.	Pink.	Orange.	Yellow.	Green.	Blue.	Violet.			Mineral Impurity.
The Lang Mfg. Co., Montreal...		P		P				None.	25590	
McCormick Mfg. Co., London, Ont.	S	S		S			S	"	25591	
Vendor.....		P		S				"	25592	Yellow did not dye wool.
Pither & Leiser, Victoria.....	P	P						None.	26963	
Ramsay Bros., Vancouver.....		P						"	26985	
Popham Bros., Victoria.....					P			"	26991	
Not known.....	P	P		P				"	28009	
Ramsay Bros., Vancouver.....	P	P		P				"	29010	
Robertson Bros., Toronto.....	P	P		P				"	29977	
Ramsay Bros., Vancouver.....		P						"	29978	
Vendor.....	P							"	29979	
Not known.....	S	P		S				"	29995	
Vendor.....	P							"	29998	